

STN  
10535042  
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(FILE 'HOME' ENTERED AT 05:52:48 ON 08 FEB 2009)

FILE 'CAPLUS' ENTERED AT 05:56:32 ON 08 FEB 2009  
L1 878 S FARNESOID?  
L2 829 S L1 AND RECEPTOR  
L3 11 S L2 AND CRYSTAL  
=> d L3 1-11  
L3 ANSWER 1 OF 11 CAPLUS COPYRIGHT 2009 ACS on STN  
AN 2009:104320 CAPLUS  
TI Discovery of XL335 (WAY-362450), a Highly Potent, Selective, and Orally Active Agonist of the Farnesoid X Receptor (FXR)  
AU Flatt, Brenton; Martin, Richard; Wang, Tie-Lin; Mahaney, Paige; Murphy, Brett; Gu, Xiao-Hui; Foster, Paul; Li, Jiali; Pircher, Parinaz; Petrowski, Mary; Schulman, Ira; Westin, Stefan; Wrobel, Jay; Yan, Grace; Bischoff, Eric; Daige, Chris; Mohan, Raju  
CS Departments of Medicinal Chemistry, Structural Biology, Molecular Biology, Lead Discovery and Pharmacology, Exelixis Inc., San Diego, CA, 92121, USA  
SO Journal of Medicinal Chemistry ACS ASAP  
CODEN: JMCMAR; ISSN: 0022-2623  
PB American Chemical Society  
DT Journal  
LA English  
RE.CNT 28 THERE ARE 28 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 2 OF 11 CAPLUS COPYRIGHT 2009 ACS on STN  
AN 2008:1536582 CAPLUS  
DN 150:72522  
TI Crystallization and crystal structure of human farnesoid X receptor mutant-ligand complexes  
IN Benz, Joerg; Burger, Dominique; Joseph, Catherine; Rudolph, Markus; Ruf, Armin; Thoma, Ralf  
PA F. Hoffmann-La Roche A.-G., Switz.  
SO PCT Int. Appl., 305pp.  
CODEN: PIXXD2  
DT Patent  
LA English

FAN.CNT 1  
PATENT NO. KIND DATE APPLICATION NO. DATE  
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PI WO 2008155054 A1 20081224 WO 2008-EP4672 20080611  
W: AE, AG, AL, AM, AO, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ,  
CA, CH, CN, CO, CR, CU, CS, DE, DK, DM, DO, DZ, EC, EE, EG, ES,  
FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE,  
KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD,  
ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH,  
PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, TJ, TM,  
TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW  
RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU,  
IE, IS, IT, LT, LU, LV, MC, MT, NL, NO, PL, PT, RO, SE, SI, SK,  
TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD,  
TG, BH, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW,  
AM, AZ, BY, EG, KZ, MD, RU, TJ, TM  
PRAI EP 2007-110638 A 20070620  
RE.CNT 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 3 OF 11 CAPLUS COPYRIGHT 2009 ACS on STN  
AN 2008:903977 CAPLUS  
DN 149:378354  
TI Conformationally constrained farnesoid X receptor  
(FXR) agonists: Naphthoic acid-based analogs of GW 4064  
AU Akwabi-Ameyaw, Adwoa; Bass, Jonathan Y.; Caldwell, Richard D.; Caravella,  
Justin A.; Chen, Libhong; Creech, Katrina L.; Deaton, David N.; Jones,  
Stacey A.; Kaldor, Istvan; Liu, Yaping; Madausz, Kevin P.; Marr, Harry B.;  
McFadyen, Robert B.; Miller, Aaron B.; Navas, Frank, III; Parks, Derek J.;  
Spearing, Paul K.; Todd, Dan; Williams, Shawn P.; Wisely, G. Bruce  
CS Department of Medicinal Chemistry, GlaxoSmithKline, Research Triangle  
Park, NC, 27709, USA  
SO Bioorganic & Medicinal Chemistry Letters (2008), 18(15), 4339-4343  
CODEN: BMCL8; ISSN: 0960-894X  
PB Elsevier Ltd.  
DT Journal  
LA English  
RE.CNT 37 THERE ARE 37 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 4 OF 11 CAPLUS COPYRIGHT 2009 ACS on STN  
AN 2008:470410 CAPLUS  
DN 149:47221  
TI Identification of a potent synthetic FXR agonist with an unexpected mode  
of binding and activation  
AU Soisson, Stephen M.; Parthasarathy, Gopalakrishnan; Adams, Alan D.; Sahoo,  
Soumya; Sitalani, Ayesha; Sparrow, Carl; Cui, Jisong; Becker, Joseph W.  
CS Merck Research Laboratories, Rahway, NJ, 07065, USA  
SO Proceedings of the National Academy of Sciences of the United States of  
America (2008), 105(14), 5337-5342  
CODEN: PNACAS; ISSN: 0027-8424  
PB National Academy of Sciences  
DT Journal  
LA English  
RE.CNT 44 THERE ARE 44 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 5 OF 11 CAPLUS COPYRIGHT 2009 ACS on STN  
AN 2007:866761 CAPLUS  
DN 147:419260  
TI Nongenomic Actions of Bile Acids. Synthesis and Preliminary  
Characterization of 23- and 6,23-Alkyl-Substituted Bile Acid Derivatives  
as Selective Modulators for the G-Protein Coupled Receptor TGR5  
AU Pellizzari, Roberto; Sato, Hiroyuki; Gioiello, Antimo; Costantino,  
Gabrielle; Macchiarulo, Antonio; Sadeghpour, Bahman M.; Giorgi, Gianluca;  
Schoonjans, Kristina; Auwerx, Johan  
CS Dipartimento di Chimica e Tecnologia del Farmaco, Universita di Perugia,  
Perugia, 06123, Italy  
SO Journal of Medicinal Chemistry (2007), 50(18), 4265-4268  
CODEN: JMCMAR; ISSN: 0022-2623  
PB American Chemical Society  
DT Journal  
LA English  
OS CASREACT 147:419260  
RE.CNT 39 THERE ARE 39 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 6 OF 11 CAPLUS COPYRIGHT 2009 ACS on STN  
AN 2006:920053 CAPLUS  
DN 145:263427  
TI The nuclear hormone receptor farnesoid X  
receptor (FXR) is activated by androsterone  
AU Wang, Shuguang; Lai, KehDih; Moy, Franklin J.; Bhat, Anitha; Hartman,

Helen B.; Evans, Mark J.  
 CS Cardiovascular and Metabolic Disease Research, Wyeth Research,  
 Collegeville, PA, 19426, USA  
 SO Endocrinology (2006), 147(9), 4025-4033  
 CODEN: ENDOAO; ISSN: 0013-7227  
 PB Endocrine Society  
 DT Journal  
 LA English  
 RE.CNT 47 THERE ARE 47 CITED REFERENCES AVAILABLE FOR THIS RECORD  
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 7 OF 11 CAPLUS COPYRIGHT 2009 ACS on STN  
 AN 20051:0720 CAPLUS  
 DN 142:72636  
 TI Megalin and cubilin expression in gallbladder epithelium and regulation by  
 bile acids  
 AU Erranz, Benjamin; Miquel, Juan Francisco; Argraves, W. Scott; Barth,  
 Jeremy L.; Pimentel, Fernando; Marzolo, Maria-Paz  
 CS Center for Cell Regulation and Pathology "Joaquin V. Luco", Departamento  
 de Biología Celular y Molecular, Facultad de Ciencias Biológicas,  
 Pontificia Universidad Católica de Chile, Santiago, Chile  
 SO Journal of Lipid Research (2004), 45(12), 2185-2198  
 CODEN: JLRRAW; ISSN: 0022-2275  
 PB American Society for Biochemistry and Molecular Biology, Inc.  
 DT Journal  
 LA English  
 RE.CNT 85 THERE ARE 85 CITED REFERENCES AVAILABLE FOR THIS RECORD  
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 8 OF 11 CAPLUS COPYRIGHT 2009 ACS on STN  
 AN 2004:513495 CAPLUS  
 DN 141:47277  
 TI Method for creating specific, high affinity nuclear receptor  
 pharmaceuticals  
 IN Baxter, John D.; Scanlan, Thomas S.; Fetterick, Robert J.; Borngraeber,  
 Sabine; Webb, Paul; Chiellini, Grazia  
 PA The Regents of the University of California, USA  
 SO PCT Int. Appl., 164 pp.  
 CODEN: PIXXD2  
 DT Patent  
 LA English  
 FAN.CNT 4

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2004052302	A2	20040624	WO 2003-US39257	20031209
	WO 2004052302	A3	20040902		
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW RW: BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GO, GW, ML, MR, NE, SN, TD, TG				
US	20040110154	A1	20040610	US 2002-317034	20021210
US	7302347	B2	20071127		
AU	2003300852	A1	20040630	AU 2003-300852	20031209
PRAI	US 2002-317034	A	20021210		
	US 2003-453608P	P	20030310		
	US 2003-526931P	P	20031203		
	WO 2003-US39257	W	20031209		

RE.CNT 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 9 OF 11 CAPLUS COPYRIGHT 2009 ACS on STN  
AN 2004:473214 CAPLUS  
DN 141:33740  
TI Method for creating specific, high affinity nuclear receptor  
pharmaceuticals  
IN Baxter, John D.; Scanlan, Thomas S.; Fetterick, Robert J.; Borngraeber,  
Sabine; Webb, Paul  
PA The Regents of the University of California, USA  
SO U.S. Pat. Appl. Publ., 37 pp.  
CODEN: USXXCO  
DT Patent  
LA English  
FAN.CNT 4

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI US 20040110154	A1	20040610	US 2002-317034	20021210
US 7302347	B2	20071127		
WO 2004052302	A2	20040624	WO 2003-US39257	20031209
WO 2004052302	A3	20040902		
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW RW: BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GO, GW, ML, MR, NE, SN, TD, TG			
WO 2004052303	A2	20040624	WO 2003-US39258	20031209
WO 2004052303	A3	20050506		
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW RW: BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GO, GW, ML, MR, NE, SN, TD, TG			
AU 2003300852	A1	20040630	AU 2003-300852	20031209
AU 2003302741	A1	20040630	AU 2003-302741	20031209
US 20040253648	A1	20041216	US 2003-732901	20031209
PRAI US 2002-317034	A	20021210		
US 2003-453608P	P	20030310		
US 2003-526931P	P	20031203		
WO 2003-US39257	W	20031209		
WO 2003-US39258	W	20031209		

RE.CNT 31 THERE ARE 31 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 10 OF 11 CAPLUS COPYRIGHT 2009 ACS on STN  
AN 2004:453343 CAPLUS  
DN 141:19434  
TI Crystal structure of the human farnesoid X  
receptor ligand binding domain complexed with fexaramine and  
identification and development of novel small molecule ligands for FXR  
IN Downes, Michael R.; Verdicia, Mark A.; Noel, Joseph P.; Evans, Ronald M.;  
Bowman, Lindsey J.; Bowman, Marianne

PA The Salk Institute for Biological Studies, USA  
SO PCT Int. Appl., 139 pp.

CODEN: PIXXD2

DT Patent  
LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2004046323	A2	20040603	WO 2003-US36548	20031114
	WO 2004046323	A3	20041209		
		W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TH, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW		
		RW:	BW, GH, GM, KE, LS, MN, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GU, GW, ML, MR, NE, SN, TD, TG		
	AU 2003298654	A1	20040615	AU 2003-298654	20031114
	US 20060194949	A1	20060831	US 2005-535042	20050513
PRAI	US 2002-426665P	P	20021115		
	US 2002-426668P	P	20021115		
	WO 2003-US36548	W	20031114		

RE.CNT 1 THERE ARE 1 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 11 of 11 CAPLUS COPYRIGHT 2009 ACS on STN  
AN 2003:375244 CAPLUS  
DN 139:159454  
TI A chemical, genetic, and structural analysis of the nuclear bile acid  
receptor FXR  
AU Downes, Michael; Verdecia, Mark A.; Roecker, A. J.; Hughes, Robert;  
Hogenesch, John B.; Kast-Woelbern, Heidi R.; Bowman, Marianne E.; Ferrer,  
Jean-Luc; Anisfeld, Andrew M.; Edwards, Peter A.; Rosenfeld, John M.;  
Alvarez, Jacqueline G. A.; Noel, Joseph P.; Nicolaou, K. C.; Evans, Ronald  
M.

CS Gene Expression Laboratory, Howard Hughes Medical Institute, La Jolla, CA,  
92037, USA  
SO Molecular Cell (2003), 11(4), 1079-1092  
CODEN: MOCEFL; ISSN: 1097-2765

PB Cell Press  
DT Journal  
LA English

RE.CNT 39 THERE ARE 39 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT